



NEUTRIK®

TRUE OUTDOOR
PROTECTION (TOP)

XLR TOP

Featured Products 2019/20

etherCON® TOP

powerCON® TRUE1® TOP

powerCON®

opticalCON®

DRAGONFLY®

etherCON® CAT6A

etherCON® CAT5e

etherCON® Adapter

Asymmetric Push

XLR Switching

NA2-IO-DLINE

NA2-IO-DPRO

mediaCON®

NEUTRIK®



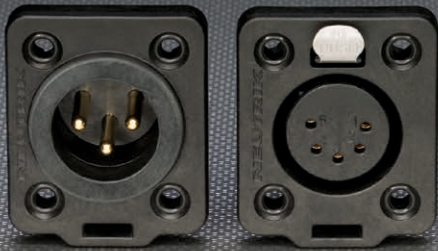
TRUE OUTDOOR PROTECTION

Neutrik's new range of TRUE OUTDOOR PROTECTION (TOP) products for demanding outdoor applications continues to set standards. Certified to UL50E for outdoor use. UV resistant and IP65 rated.

XLR TOP

TRUE OUTDOOR PROTECTION

RUGGED & RELIABLE



SUPERIOR QUALITY

UV RESISTANT IP65 RATED

etherCON® TOP

TRUE OUTDOOR PROTECTION

RUGGED & RELIABLE

SUPERIOR QUALITY

UV RESISTANT IP65 RATED



powerCON® TRUE1® TOP

TRUE OUTDOOR PROTECTION

RUGGED & RELIABLE

SUPERIOR QUALITY

UV RESISTANT IP65 RATED





Rubber sealing protection



IP65 rated in mated condition



Locking release tab



**TRUE
OUTDOOR
PROTECTION**



XLR TOP connector



NC3FX-TOP



NC3MX-TOP



NC3FDX-TOP



NC3MDX-TOP

- Heavy-duty sealed XLR connector range
- 3 and 5 pin chassis and cable connector
- IP65 rated and certified outdoor protection to UL50E
- Maintain sealing when in use and when disconnected
- Uses high impact UV resistant materials per UL
- Gold plated contacts
- Optional dust protection cap

Ordering Information

Cable Connector

NC3FX-TOP	Heavy duty female 3 pole XLR cable connector
NC5FX-TOP	Heavy duty female 5 pole XLR cable connector
NC3MX-TOP	Heavy duty male 3 pole XLR cable connector
NC5MX-TOP	Heavy duty male 5 pole XLR cable connector

Chassis Connector

NC3FDX-TOP	Heavy duty female 3 pole XLR chassis connector
NC5FDX-TOP	Heavy duty female 5 pole XLR chassis connector
NC3MDX-TOP	Heavy duty male 3 pole XLR chassis connector
NC5MDX-TOP	Heavy duty male 5 pole XLR chassis connector
SCFDX-TOP	Sealing cover for NC*FDX-TOP
SCMDX-TOP	Sealing cover for NC*MDX-TOP

Accessories

ITX-TOP	Cable insertion tool to guide the cable into the boot.
---------	--



Rugged diecast shell



Metal shell



Outdoor assembly kit



**TRUE
OUTDOOR
PROTECTION**



etherCON® TOP – lockable RJ45 connector system



NE8MX-TOP



NE8FDV-TOP

- Heavy-duty sealed RJ45 system for harsh environment
- Rugged cable connector carrier accepting most common RJ45 plugs
- D-sized receptacles for PCB mount and IDC termination or as feedthrough adapter

- IP65 rating and certified outdoor protection to UL50E
- Uses high impact UV resistant materials per UL
- Sealing when disconnected by attached cover
- Class D or CAT5e acc. ISO/IEC 11801 and TIA/EIA 568B

Ordering Information

Cable Connector

NE8MX-TOP Rugged RJ45 cable connector carrier

Chassis Connector

NE8FDV-TOP Rugged D-size chassis connector
 NE8FDP-TOP Rugged D-size feedthrough chassis connector
 NE8FDH-C5E-TOP Rugged D-size PCB mount chassis connector
 SE8FD-TOP Outdoor assembly kit

Accessories

ITX-TOP Cable insertion tool to guide the cable into the boot.



New Ergonomic quick lock



Bushing with securing key and sealing



Rugged sealing cover



**TRUE
OUTDOOR
PROTECTION**



powerCON® TRUE1® TOP – Lockable 16 A single phase connector



NAC3FX-W-TOP



NAC3MX-W-TOP



NAC3MPX-TOP
with SCNAC-MPX



NAC3FPX-TOP
with SCNAC-FPX



NAC3PX-TOP
with SCNAC-PX

- True mains connector with breaking capacity (CBC)
- Designed to be engaged and disengaged in normal use when live or under load
- Lockable 16A (acc. IEC, VDE) / 20A (acc. UL) connector
- Complete system with inlet and outlet connectors
- IP65 rating and certified outdoor protection to UL 50E enclosure type 4 (in mated condition)
- Uses high impact, UV resistant materials per UL
- Certified according IEC 60320-1 and UL 498

Ordering Information

Cable Connector

NAC3FX-W-TOP	Locking Power-In cable connector, female, screw terminals, IP 65
NAC3MX-W-TOP	Locking Power-Out cable connector, male, screw terminals, IP 65

Chassis Connector

NAC3FPX-TOP	Appliance outlet chassis connector, female, 1/4" flat tab terminals
NAC3FPX-ST-TOP	Appliance outlet chassis connector, female, screw terminals
NAC3FPX-WOT-TOP	Appliance outlet chassis connector, female, 1/4" flat tab terminals, without insulation divider
NAC3MPX-TOP	Appliance inlet chassis connector, male, 1/4" flat tab terminals
NAC3MPX-WOT-TOP	Appliance inlet chassis connector, male, 1/4" flat tab terminals, without insulation divider
NAC3PX-TOP	Appliance inlet-outlet chassis duplex, 1/4" flat tab terminals
SCNAC-FPX	Rubber sealing cover for NAC3FPX-TOP chassis
SCNAC-MPX	Rubber sealing cover for NAC3MPX-TOP chassis
SCNAC-PX	Rubber sealing cover for NAC3PX-TOP chassis





Quick lock



Neutrik bushing



3/16" flat tabs



Locking area on chassis connector



powerCON® – Locking 3 Pole Power Connectors



NAC3FCA



NAC3MPA-1



NAC3FCB



NAC3MPB-1



NAC3MM-1

- Lockable 3 pole single phase equipment (AC) connector
- High current capacity, rated at 20 A / 250 V ac
- Color coded for easy identification, powerCON offers power-in (blue) and power-out (grey) versions with different keying to avoid the possibility of intermating
- Fast and easy locking system
- Extremely robust and reliable
- Excellent cable retention
- UL, cUL recognized components acc. UL 1977
- VDE certified acc. IEC 61984
- Coupler for linking cables (couples NAC3FCA to NAC3FCB)

COMBINATION & KEYWAYS



With the two non-interchangeable types of connectors (A type and B type) it is impossible to produce a short circuit. Mating connectors (combination) are identified by mechanical keyways and by color.



ATTENTION

The technical data of the powerCON connectors refer to connectors without breaking capacity, meaning connecting devices are not to be engaged and disengaged in normal use when live or under load.

Ordering Information

NAC3FCA	Cable connector, quick lock with securing lever, A-type for power inlet, screw terminals
NAC3MPA-1	Air tight chassis connector, A-type for power inlet, flat tab terminals, blue
NAC3MPA-1-WOT	Chassis connector, power-in, 3/16" flat tab terminals, blue, without insulation divider
NAC3FCB	Cable connector, quick lock with securing lever, B-type for power outlet, screw terminals
NAC3MPB-1	Air tight chassis connector, B-type for power outlet, flat tab terminals, grey
NAC3MPB-1-WOT	Chassis connector, power-out, 3/16" flat tab terminals, grey, without insulation divider
NAC3MM-1	Coupler for linking cables (couples NAC3FCA to NAC3FCB)

opticalCON® FIBER OPTIC SYSTEMS

RUGGED & RELIABLE

SUPERIOR QUALITY

DUST AND WATER RESISTANT - IP65

opticalCON® Chassis

opticalCON® DUO

opticalCON® QUAD

opticalCON® MTP® 12

opticalCON® MTP® 24



NO2-4FDW-A



Standard LC connector



NO4FDW-A



Standard LC connector



NO12FDW-A



MTP® ELITE MALE connector



NO24FDW-A



MTP® ELITE MALE connector

opticalCON® ADVANCED

opticalCON® DUO



- 4 copper contacts
- 2 fibers

opticalCON® QUAD



- 4 fibers

opticalCON® MTP® 12



- 12 fibers

opticalCON® MTP® 24



- 24 fibers

opticalCON® LITE

opticalCON® DUO LITE



- 2 x 1.25 mm LC-ferrules

opticalCON® QUAD LITE



- 4 x 1.25 mm LC-ferrules

opticalCON® MTP® 12 LITE



- 12 fiber - MTP® ferrule

opticalCON® MTP® 24 LITE



- 24 fiber - MTP® ferrule

DRAGONFLY

opticalCON®

**LOW MAINTENANCE
AND EASY TO CLEAN**

**DUST AND WATERPROOF TO
IP68 IN MATED CONDITION**



**RELIABLE PUSH/PULL
LOCKING MECHANISM**

**HIGH PERFORMANCE –
LOW LOSS**

**FUSION SPLICE TECHNOLOGY –
FIELD REPAIRABLE**

**LONG LIFE – 10.000
MATING CYCLES**

**HYBRID CONNECTION –
POWER AND DATA**

**PROVEN ANTI-KINK
BOOT DESIGN**

opticalCON® DRAGONFLY

DRAGONFLY is a ruggedized and low maintenance hybrid cable connector for indoor and outdoor use.

CAMERA CONNECTOR SYSTEM

Neutrik's new fiber optic connector series offers advanced lens technology for the Broadcast and AV Market. DRAGONFLY is more robust, reliable and easier to maintain than common hybrid camera signal transmission systems.

With technology based on fiber lenses and fusion splicing, Neutrik's DRAGONFLY achieves an extremely robust signal with minimal loss. opticalCON DRAGONFLY combines all the advantages of lens technology and makes it competitive with physical contact connectivity.

The DRAGONFLY connector offers long life with very low maintenance. It can also withstand harsh and demanding environments and is dust and moisture insensitive. Additionally, DRAGONFLY is robust against vibration and therefore has low potential for damage. And if there ever is a problem, DRAGONFLY is field repairable. With this new technology, DRAGONFLY provides a complete solution for the Broadcast and AV Market.

INNOVATIVE AND FUTURE PROOF

- fusion splice technology – field repairable
- High performance – low loss
- Consistent quality
- 100% reliable even at extreme temperature fluctuations
- Permanent connection

SIMPLE AND EFFICIENT

- hybrid connection – power and data over one connection
- Low maintenance interval
- Easy switching to DRAGONFLY – fits into standardized cutouts
- Easy cleaning with compressed air and water
- Competitive price

ROBUST AND RELIABLE

- Extremely robust system
- Reliable push/pull locking mechanism
- Dust and waterproof according to IP68
- Proven anti-kink boot design
- Long life – 10.000 mating cycles



Rugged diecast shell



Feedthrough



IDC version



IP protected

etherCON® CAT6A Series



NE8MX6



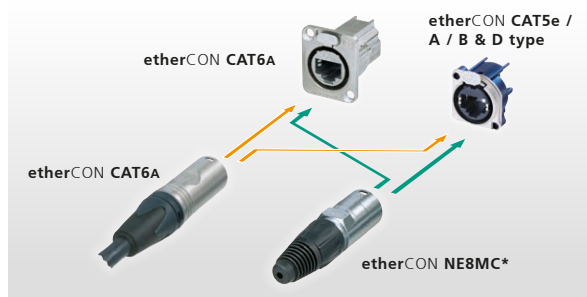
NE8FDX-P6



NE8FDX-Y6-W

- Ruggedized connector range with CAT6A component compliance according to ISO / IEC 11801 respectively EN50173-1 and CAT6A according to TIA / EIA 568-C.2
- D-size chassis connector for IDC self-termination or as feedthrough adapter
- IP 65 protected version available
- PoE+ compliant according to 802.3at Type2
- Downwards compatible with the existing etherCON CAT5 range

CAT6A / CAT5* compatibility:



Ordering Information

NE8MX6	etherCON cable connector CAT6A, nickel plating, Insulation diameter: > 1.10 - 1.60 mm
NE8MX6-B	etherCON cable connector CAT6A, black plating, Insulation diameter: > 1.10 - 1.60 mm
NE8MX6-T	etherCON cable connector CAT6A, nickel plating, Insulation diameter: > 0.85 - 1.10 mm
NE8MX6-B-T	etherCON cable connector CAT6A, black plating, Insulation diameter: > 0.85 - 1.10 mm
NE8FDX-P6	etherCON chassis CAT6A shielded feedthrough, nickel plating
NE8FDX-P6-B	etherCON chassis CAT6A shielded feedthrough, black plating
NE8FDX-Y6	etherCON chassis CAT6A shielded IDC, nickel plating
NE8FDX-Y6-B	etherCON chassis CAT6A shielded IDC, black plating
NE8FDX-P6-W	etherCON chassis CAT6A shielded feedthrough, with integrated rubber sealing cap, IP 65
NE8FDX-Y6-W	etherCON chassis CAT6A shielded IDC, with integrated rubber sealing cap, IP 65

Accessories

HX-CAT6A	Parallel press tool CAT6A
----------	---------------------------



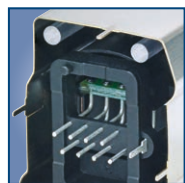
Horizontal PCB



Vertical PCB with lightpipes



Locking release tab



Shielded version

etherCON® CAT5e PCB Receptacle



NE8FAH-C5



NE8FBH-C5-LED



NE8FBV-C5-LED



NE8FBV-C5-LED-S

- Space saving A or B type receptacles - horizontal or vertical PCB design available
- Vertical PCB design at 24 mm distance to front panel – fits the widely accepted industry standard dimension for XLRs, 1/4" jacks etc.
- PoE+ compliant according to 802.3at Type2
- CAT5e performance according to ISO / IEC 11801 and TIA / EIA 568-C.2
- Shielded or non-shielded versions available
- Two types of light pipes available to accommodate through hole LEDs or SMD-LEDs
- Accommodates rugged etherCON NE8MC* cable carriers or any standard RJ45 plug

Ordering Information

NE8FAH-C5	etherCON A type horizontal PCB CAT5e
NE8FBH-C5	etherCON B type horizontal PCB CAT5e
NE8FBH-C5-S	etherCON B type horizontal PCB CAT5e with shielding
NE8FBH-C5-LED	etherCON B type horizontal PCB CAT5e through hole LED
NE8FBH-C5-LED1	etherCON B type horizontal PCB CAT5e SMD LED
NE8FBH-C5-LED-S	etherCON B type horizontal PCB CAT5e through hole LED with shielding
NE8FBH-C5-LED1-S	etherCON B type horizontal PCB CAT5e SMD LED with shielding
NE8FAV-C5	etherCON A type vertical PCB CAT5e
NE8FBV-C5	etherCON B type vertical PCB CAT5e
NE8FBV-C5-S	etherCON B type vertical PCB CAT5e with shielding
NE8FBV-C5-LED	etherCON B type vertical PCB CAT5e through hole LED
NE8FBV-C5-LED1	etherCON B type vertical PCB CAT5e SMD LED
NE8FBV-C5-LED-S	etherCON B type vertical PCB CAT5e through hole LED with shielding
NE8FBV-C5-LED1-S	etherCON B type vertical PCB CAT5e SMD LED with shielding



Rugged diecast shell



Neutrik cable retention



Rugged diecast shell



IP65 Protected in mated condition

etherCON® Cable Carriers



NE8MX



NE8MX-B-1

- The RJ45 system for harsh and demanding environment
- Cable connector carrier accepts the most common RJ45 plugs
- Cable connector carrier has rugged diecast shell and unique chuck type strain relief
- Protects Ethernet connections in a variety of commercial type applications and is designed to prevent breakage of the fragile components of standard RJ45 connectors
- Cable connector carrier does not include RJ45 plug

Ordering Information

NE8MX	Nickel plating housing with chuck and bushing, allows assembly of preassembled conventional RJ45 cables
NE8MX-1	Nickel plating housing with chuck and X-series bushing for non preassembled cable
NE8MX-B	Black chromium housing with chuck and bushing, allows assembly of preassembled conventional RJ45 cables
NE8MX-B-1	Black chromium housing with chuck and X-series bushing for non preassembled cable

etherCON® CAT6A Adapter



NE8FFX6-W

- Ruggedized coupler with CAT6_A component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- IP65 protected when mated with NE8MX6*
- Accommodates standard RJ45 plug
- Revolutionary small form factor
- The adapter offers the million fold proven robust latch lock system
- The adapters are problem solvers for various intermating problems for professional and semi-professional applications

Ordering Information

NE8FFX6-W	etherCON CAT6A feedthrough adapter, rubber sealing protection, IP65
-----------	---



New ergonomic asymmetric locking release tab

Asymmetric Push – solution for space sensitive applications



NC5FAH-DA



NC3FBH1-DA



NCJ6FA-V-DA

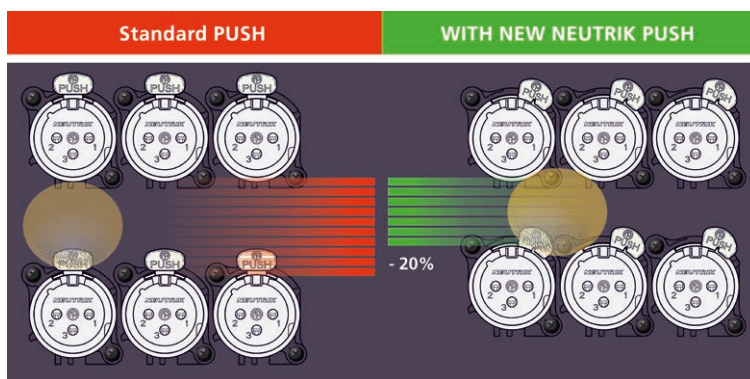


PUSH-ASYM

For space sensitive applications (e.g. plug-in modules and small portable devices), we have developed the asymmetric push tab. By using this new design, a vertical (stacking) space saving of approx. 20% can be achieved.

The new asymmetric push tab is being introduced on the products listed below. This reflects most possible combinations. Based on customer requests and quantity commitments, we can in the future release additional special versions with asymmetric push tabs within the NE8FA* series, NCJ*FI series, and DLX series. Reach out to Neutrik to discuss the possibilities and requirements for such additional parts.

For small quantities, you can order the asymmetric push tab as stand-alone accessory part (PUSH-ASYM) and combine it with every "-D" packaged product in the A-Series, AA-series, B-series, NE8FA* series, NCJ*FI series, and DLX series.



Space saving of appr. 20% can be achieved!

Ordering Information

NC3FAAH1-DA	NC3FAV1-DA	NC3FBH1-DA	NCJ6FA-H-DA
NC3FAAV1-DA	NC3FAV2-DA	NC3FBH2-DA	NCJ6FA-V-DA
NC3FAH1-DA	NC5FAH-DA	NC3FBV1-DA	PUSH-ASYM
NC3FAH2-DA	NC5FAV-DA	NC3FBV2-DA	



Smallest XLR receptacle with locking release tab



NC switching contact

XLR with switching contact



NC3FAH2-S



NC3MAH-S

3 pole XLR receptacle, grounding: separate ground contact to mating connector shell and front panel, horizontal PCB mount

The opening (switching) contacts are activated by the mating connector offering the possibility to indicate and monitor the mated connection.

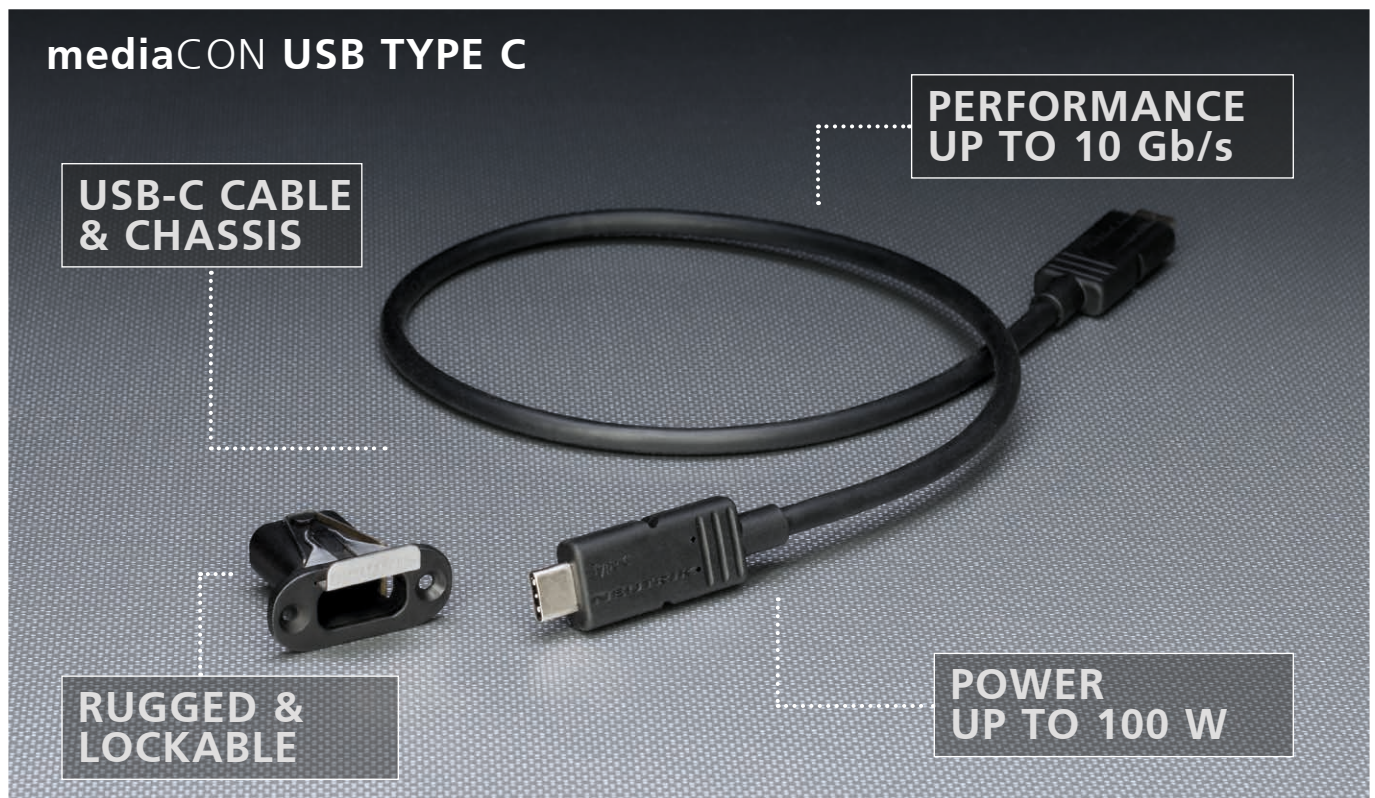
The 'State of the Art' receptacle. Round plastic body XLR PCB mount panel connector. These have the smallest size and highest packing density (23 mm between centres). Tulip type contacts with hard gold plating and polished contact areas. UL recognized component.

- Smallest XLR receptacles, highest packing density
- Plastic housing, steel latch lock
- Tulip type female contact
- Polished contact areas and hard gold plating
- Housing flammability UL94 V-0
- NC switching contact (normally closed)

Ordering Information

Chassis Connector

NC3FAH2-S	3 pole female XLR A Series receptacle with NC switching contact
NC3MAH-S	3 pole male XLR A Series receptacle with NC switching contact



mediaCON the new USB-C multimedia solution

The innovative USB-C multimedia system for demanding broadcast and professional A/V applications.

Due to the increasing digitalization in the broadcast and A/V market, Neutrik has decided to launch the brand-new mediaCON USB Type-C series. Neutrik built a push/pull lockable and space-saving mediaCON chassis which can be mounted from the rear and front side as well. The mediaCON cable guarantees the performance of 10 Gb/s and up to 100 W of power. The overmolded housing of the cable is designed for a ruggedized strain relief and protects the housing from mechanical stress.

- Guaranteed performance up to 10 Gb/s (USB 3.1 Gen.II compatibility)**
- Push Pull mating design provides secure locking system if mated with NMC-*
- Reversible USB-C cable connector
- Power delivery up to 100 W (@5 A / 20 V)
- Shielded connection – high noise immunity and EMI protection
- Mates with conventional USB-C receptacles
- Front and rear side mountable
- Guiding housing for better protection of receptacles

Ordering Information

Cable

NMK-20U-* Lockable USB Type C cable with over molded flex relief and rugged strain relief, *...length 0.5 m or 1.0 m

Chassis Connector

NMC-C Locking USB C Type chassis

NMC-C-HR Lockable USB Type C chassis with integrated USB IF approved receptacle

** ... Performance will vary depending on your additional hardware and software components and configurations.

NA2-IO-DPRO

2 x etherCON®
PRIMARY/SECONDARY DANTE®

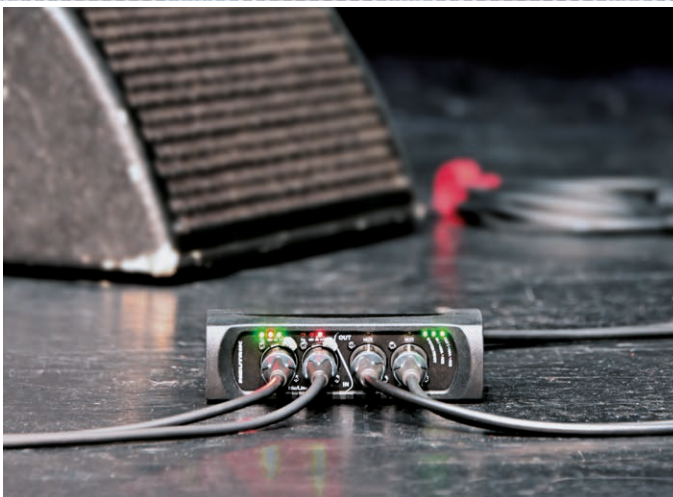
RUGGED
HOUSING

RACK
MOUNTABLE



MIC, LINE, AES
INPUT

LINE, AES
OUTPUT





Lockable chassis



Rugged housing



Mic, Line, AES Input



Line, AES Output



2 x etherCON®
Primary/Secondary
Dante®

Line I/O to Dante® Interface



NA2-IO-DLINE

- Connect analog audio equipment to a Dante® network
- Heavy duty adapter for rugged stage conditions
- Lockable audio and network connections
- Convert up to two analog line signals to a Dante® network
- Feed non Dante® ready amplifiers, speakers or mixing desks with signals from the Dante® network
- Mixed mode
- Requires a Power over Ethernet switch or a PoE injector (802.3 af/at; class 1)
- AES67 compliant
- Rack mountable

Mic, Line, AES/EBU I/O to Dante® Interface



NA2-IO-DPRO

Rear view:



- Connect analog audio equipment to a Dante® network
- Lockable audio and network connections
- Connect up to two analog line or mic signals to a Dante® network
- Connect AES/EBU signals to a Dante® network and provide an AES/EBU signal from the Dante® network
- Switched mode to daisy chain devices
- Feed non Dante® ready amplifiers, speakers or mixing desks with signals from the Dante® network
- Primary and Secondary Dante® ports
- Audio parameter control via DPRO controller software
- Different mounting options (rack, floorbox, table mounting)
- AES67 compliant
- Requires a Power over Ethernet switch or a PoE injector (802.3 af/at – class 2 or no classification at 6 W)

Accessories



NRP1RU-2A: 1 RU 19" Rack unit for NA2-IO-DLINE & NA2-IO-DPRO



NA-MB-KIT: Mounting bracket kit

Liechtenstein (Headquarters)

Neutrik AG, Im alten Riet 143, 9494 Schaan
T +423 237 24 24, F +423 232 53 93, neutrik@neutrik.com

Germany / Netherlands / Denmark / Austria

Neutrik Vertriebs GmbH, Felix-Wankel-Straße 1, 85221 Dachau, Germany
T +49 8131 28 08 90, neutrik@neutrik.de

Great Britain

Neutrik (UK) Ltd., Westridge Business Park, Cothey Way
Ryde, Isle of Wight PO33 1 QT
T +44 1983 811 441, sales@neutrik.co.uk

France

Neutrik France SARL, 52 rue d'aguesseau, 1er etage, 92100 Boulogne-Billancourt
T +33 1 41 31 67 50, info@neutrik.fr

USA

Neutrik USA Inc., 4115 Taggart Creek Road, Charlotte, North Carolina, 28208
T +1 704 972 3050, info@neutrikusa.com

Japan

Neutrik Limited, Yusen-Higashinohonbashi-Ekimaie Bldg., 3-7-19
Higashinohonbashi, Chuo-ku, Tokyo 103
T +81 3 3663 47 33, mail@neutrik.co.jp

Hong Kong

Neutrik Hong Kong LTD., Suite 18, 7th Floor Shatin Galleria
Fotan, Shatin
T +852 2687 6055, sales@neutrik.com.hk

China

Ningbo Neutrik Trading Co., Ltd., Shiqi Street, Yinxian Road West
Fengjia Villiage, Hai Shu District, Ningbo, Zhejiang, 315153
T +86 574 88250833, sales@neutrik.com.cn

India

Neutrik India Pvt. Ltd., Level 3, Neo Vikram, New Link Road,
Above Audi Show Room, Andheri West, Mumbai, 400053
T +91 982 05 43 424, anklesaria@neutrik.com

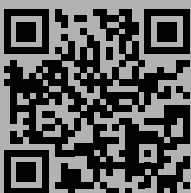
Associated companies

Contrik AG

Steinackerstrasse 35, 8902 Urdorf, Switzerland
T +41 44 736 50 10, contrik@contrik.ch

H. Adam GmbH

Felix-Wankel-Straße 1, 85221 Dachau, Germany
T +49 08131 28 08-0, anfrage@adam-gmbh.de



www.neutrik.com

FEATUURED PRODUCT

2019-12